

Form PTO-1449 <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>	Docket No. CDS-0215	Serial No. TBD
	Applicant Randy Bower et al.	
	Filing Date January 13, 2000	Group Art Unit 1743

 JCS98 U.S. PTO  
 09/482599


## U.S. PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Name	Class	Sub Class	File Date
<i>BS</i>	5,885,530		Babson et al.	<del>X</del>	<del>X</del>	
	4,765,843		Pierce et al.			
	5,428,997		Paulsen			
	5,493,922		Ramey et al.			
	5,855,851		Matsubara et al.			
	5,866,426		Ball			
	5,897,837		Mizuno			
	3,854,440		Astle			
<i>BS</i>	4,451,433		Yamashita et al.			

## FOREIGN PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Country	Class	Sub Class	Translate (select one) Yes No	
<i>BS</i>	0 341 438	15.11.89	EP	<del>X</del>	<del>X</del>	<input type="checkbox"/>	<input type="checkbox"/>
	0 658 769	21.06.95	EP			<input type="checkbox"/>	<input type="checkbox"/>
	0 608 423	03.08.94	EP			<input type="checkbox"/>	<input type="checkbox"/>
	0 629 859	21.12.94	EP			<input type="checkbox"/>	<input type="checkbox"/>
<i>BS</i>	0 229 354	22.07.87	EP			<input type="checkbox"/>	<input type="checkbox"/>

OTHER REFERENCES (include author, title, date, pertinent pages, etc.)


Examiner: <i>Calvin Boy</i>	Date Considered 11/19/01
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Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**

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Applicant

Randy Bower et. al

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Group Art Unit

1743

## U.S. PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Name	Class	Sub Class	File Date
CB	4,777,832		Prodosmo et al.			
	4,818,492		Shimizu			
	4,977,786		Davis			
	5,012,683		David			
	5,922,112		Zappi et al.			
	5,079,570		Mohr et al.			
	5,528,798		Strobel et al.			
	5,298,424		Shinohara			
CB	5,296,194		Igarashi			

## FOREIGN PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Country	Class	Sub Class	Translate (select one) Yes No	
CB	0 726 466	14.08.96	EP			<input type="checkbox"/>	<input type="checkbox"/>
	0 405 729	02.01.91	EP			<input type="checkbox"/>	<input type="checkbox"/>
	0 753 721	15.01.97	EP			<input type="checkbox"/>	<input type="checkbox"/>
	0 431 578	12.06.91	EP			<input type="checkbox"/>	<input type="checkbox"/>
	0 392 851	17.10.90	EP			<input type="checkbox"/>	<input type="checkbox"/>
CB						<input type="checkbox"/>	<input type="checkbox"/>

OTHER REFERENCES (include author, title, date, pertinent pages, etc.)


Examiner:

*Kathryn Boy*

Date Considered

11/19/01

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## U.S. PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Name	Class	Sub Class	File Date
<i>CB</i>	4,695,430		Coville et al.			
	5,061,639		Lung et al.			
	5,045,286		Kitajima et al.			
	5,158,748		Obi et al.			
	4,777,832		Prodosmo et al.			
	5,271,902		Sakka et al.			
	5,665,601		Kilmer			
	5,143,849		Barry et al.			
<i>CB</i>	5,723,795		Merriam			

## FOREIGN PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Country	Class	Sub Class	Translate (select one) Yes No	
<i>CB</i>	0 320 280	14.06.89	EP			<input type="checkbox"/>	<input type="checkbox"/>
	0 810 438	03.12.97	EP			<input type="checkbox"/>	<input type="checkbox"/>
	0 476 930	12.11.97	EP			<input type="checkbox"/>	<input type="checkbox"/>
	0 649 933	26.04.95	EP			<input type="checkbox"/>	<input type="checkbox"/>
	0 679 521	02.11.95	EP			<input type="checkbox"/>	<input type="checkbox"/>
<i>CB</i>							

OTHER REFERENCES (include author, title, date, pertinent pages, etc.)


Examiner:	<i>Kathryn Boy</i>	Date Considered	<i>11/19/01</i>
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## U.S. PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Name	Class	Sub Class	File Date
<i>CB</i>	5,262,049		Ferkany	<del>X</del>	<del>X</del>	
	4,591,568		Banno et al.			
	5,559,339		Domanik et al.			
	4,897,244		Wallace et al.			
	5,275,951		Chow et al.			
	5,537,880		Takeda et al.			
	5,488,854		Kawanabe et al.			
	5,463,895		Brentz			
<i>✓</i>	5,488,874		Kawanabe et al.			
<i>CB</i>	5,104,813		Besemer et al.			

## FOREIGN PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Country	Class	Sub Class	Translate (select one) Yes No	
<i>CB</i>	0 753 723	15.01.97	EP	<del>X</del>	<del>X</del>	<input type="checkbox"/>	<input type="checkbox"/>
	0 510 686	28.10.92	EP			<input type="checkbox"/>	<input type="checkbox"/>
	0 258 078	02.03.88	EP			<input type="checkbox"/>	<input type="checkbox"/>
<i>✓</i>	WO 97/22007	19.06.97	PCT			<input type="checkbox"/>	<input type="checkbox"/>
<i>CB</i>	JPA-8-114604	07.05.96	Japan			<input type="checkbox"/>	<input type="checkbox"/>

OTHER REFERENCES (include author, title, date, pertinent pages, etc.)


Examiner: <i>Kalby Bay</i>	Date Considered <i>11/19/01</i>
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## U.S. PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Name	Class	Sub Class	File Date
<i>DB</i>	5,083,470		Davis et al.	<del>X</del>	<del>X</del>	
	2,789,654		Zurit			
	4,369,898		Andersson			
	4,623,467		Hamlin			
	4,703,870		Sedam			
	4,759,474		Regunathan et al.			
	4,761,295		Casey			
	5,021,250		Ferguson			
	5,135,645		Sklenak et al.			
<i>DB</i>	5,148,945		Geatz			

## FOREIGN PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Country	Class	Sub Class	Translate (select one) Yes No	
<i>UB</i>	JPA 9-127136	16.05.97	Japan	<del>X</del>	<del>X</del>	<input type="checkbox"/>	<input type="checkbox"/>
<i>UB</i>	JPA 9-127132	16.05.97	Japan			<input type="checkbox"/>	<input type="checkbox"/>
<i>UB</i>	JPA 9-127131	16.05.97	Japan			<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

## OTHER REFERENCES (include author, title, date, pertinent pages, etc.)


Examiner: <i>Delton Boy</i>	Date Considered <i>11/19/01</i>
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## U.S. PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Name	Class	Sub Class	File Date
B	5,330,072		Ferri, Jr. et al.			
	5,417,346		Ferri, Jr. et al.			
	5,508,200		Tiffany et al.			
	5,443,791		Cathcart et al.			
	4,517,302		Saros			
	5,777,221		Murthy et al.			
	4,946,651		Liston et al.			
B	4,761,268		Andersen et al.			

## FOREIGN PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Country	Class	Sub Class	Translate (select one) Yes No	
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
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						<input type="checkbox"/>	<input type="checkbox"/>

## OTHER REFERENCES (include author, title, date, pertinent pages, etc.)


Examiner: <i>Hultman Rye</i>	Date Considered 2/19/01
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